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1 cccgccttcc tagctgtccc agtggagaag gaacaagcgc ctcactgcat ctgtgcaaac 61 gggcggcaaa ctgtgtcctg ggcagtaacc ccaaagtcat taggaaatgt gaatttcact 121 qtqaqcqcaq aqqcactaqa qtctcaaqaq ctqtqqqqa ctqaqqtqcc ttcaqttcct 181 gaacacggaa ggaaagacac agtcatcaag cctctgttgg ttgaacctga aggactagag 241 aaggaaacaa cattcaactc cctactttqt ccatcaggtg gtgaggtttc tgaagaatta 301 tecetgaaac tgccaccaaa tgtggtagaa gaatetgeec qagettetgt etcaqttttg 361 ggagacatat taggetetge catgeaaaac acacaaaate ttetecagat geeetatgge 421 tgtggagagc agaatatggt cctctttgct cctaacatct atgtactgga ttatctaaat 481 gaaacacage agettactee agagateaag tecaaggeea ttggetatet caacactggt 541 taccagagac agttgaacta caaacactat gatggctcct acagcacctt tggggagcga 601 tatggcagga accagggcaa cacctggctc acagcctttg ttctgaagac ttttgcccaa 661 getegageet acatetteat egatgaagea cacattacee aageeeteat atggetetee 721 cagaggcaga aggacaatgg ctgtttcagg agctctgggt cactgctcaa caatgccata 781 aaqqqaqqaq taqaaqatqa aqtqaccctc tccqcctata tcaccatcqc ccttctqqaq 841 attectetca cagteactca ceetgttgte egeaatgeee tgttttgeet ggagteagee 901 tggaagacag cacaagaagg ggaccatggc agccatgtat ataccaaaga cctgctggcc 961 tatqcttttg ccctggcagg taaccaggac aagaggaagg aagtactcaa gtcacttaat 1021 gaggaagetg tgaagaaaga caactetgte cattgggage geeeteagaa acceaaggea 1081 ccaqtggggg atttttacga accccagget ccctctgctg aggtggagat gacatcctat 1141 gtgctcctcg cttatctcac ggcccagcca gccccaacct cggaggacct gacctctgca 1201 accaacateg tgaagtggat cacgaagcag cagaatgeec agggeggttt etectecace 1261 caggacacag tggtggctct ccatgctctg tccaaatatg gagcagccac atttaccagg 1321 actgggaagg ctgcacaggt gactatccag tcttcaggga cattttccag caaattccaa 1381 gtggacaaca acaaccgcct gttactgcag caggtctcat tgccagagct gcctggggaa 1441 tacagcatga aagtgacagg agaaggatgt gtctacctcc agacatcctt gaaatacaat 1501 atteteccay aaaaqqaaqa qtteeeettt qetttaqqaq tqeaqaetet qeeteaaact 1561 tqtqatqaac ccaaaqccca caccaqcttc caaatctccc taaqtqtcaq ttacacaqqq 1621 ageogetetg cetecaacat ggegategtt gatgtgaaga tggtetetgg etteatteee 1681 ctgaagccaa cagtgaaaat gcttgaaaga tctaaccatg tgagccggac agaagtcagc 1741 agcaaccatg tettgattta cettgataag gtgtcaaate agacaetgag ettgttette 1801 acggttctgc aagatgtccc agtaagagat ctgaaaccag ccatagtgaa agtctatgat 1861 tactacqaqa cqqatqaqtt tqcaattqct qaqtacaatq ctccttqcaq caaaqatctt 1921 qqaaatqctt qaaqaccaca aqqctqaaaa qtqctttqct qqaqtcctqt tctcaqaqct 1981 ccacagaaga cacgtgtttt tgtatcttta aagacttgat gaataaacac tttttctggt 2041 c

PAFLAVPVEKEQAPHCICANGRQTVSWAVTPKSLGNVNFTVSAEALESQELCGTEVPSVPEHGRKDTVIKPL LVEPEGLEKETTFNSLLCPSGGEVSEELSLKLPPNVVEESARASVSVLGDILGSAMQNTQNLLQMPYGCGEQ NMVLFAPNIYVLDYLNETQQLTPEIKSKAIGYLNTGYQRQLNYKHYDGSYSTFGERYGRNQGNTWLTAFVLK TFAQARAYIFIDEAHITQALIWLSQRQKDNGCFRSSGSLLNNAIKGGVEDEVTLSAYITIALLEIPLTVTHP VVRNALFCLESAWKTAQEGDHGSHVYTKDLLAYAFALAGNQDKRKEVLKSLNEEAVKKDNSVHWERPQKPKA PVGDFYEPQAPSAEVEMTSYVLLAYLTAQPAPTSEDLTSATNIVKWITKQQNAQGGFSSTQDTVVALHALSK YGAATFTRTGKAAQVTIQSSGTFSSKFQVDNNNRLLLQQVSLPELPGEYSMKVTGEGCVYLQTSLKYNILPE KEEFPFALGVQTLPQTCDEPKAHTSFQISLSVSYTGSRSASNMAIVDVKMVSGFIPLKPTVKMLERSNHVSR TEVSSNHVLIYLDKVSNQTLSLFFTVLQDVPVRDLKPAIVKVYDYYETDEFAIAEYNAPCSKDLGNA

FIGURE 1

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A aggggeetta gegtgeegea tegeegagat ceagegeea gagagacace agagaaceea ettgageee ettgageee etggettetg geateetgtt gttgetgtgg etgatagee etgatagee acceacagae ggeettetge atteeggee etgatagee agggggacac eagaagteaa eeagaceace ttatacage gagagatt gttatgagat eaagatgace aagatgata aagggtteea ageettaggg gatgeegetg 301 acateeggtt egtetacace eeegeeatgg agagtgtetg eggataette eacaggtee 361 acaacegeag egaggagttt etcattgetg gaaaactgea ggatggacte tegeacatea 421 etacetgeag tttegtgget eeettggaaca geetgagett ageteagee eggggettea 481 eeaagaceta eactgttgge tgtgaggaat geacagtgtt teeetgtta teeateeet 541 geaaactgea gagtggeact eattgettgt ggacagatgtt teeetgtta teeeatee 661 aggeetteea gteeegagata geetgaatee tgeetggag geaagtggetg eetgaacagtgee etgaacatea ggeetegaaa geetgaget tgeaceetgge 661 agteeetgeg gteeeagata geetgaatee tgeeeggagt ggaactgaag eetgeacetg gteeeacee eatettett eeggacaatg aaataaagag ttaceacea 781 ge

MAPFEPLASGILLLUWLIAPSRACTCVPPHPQTAFCNSDLVIRAKFVGTPEVNQTTLYQRYEIKMTKMYKG FQALGDAADIRFVYTPAMESVCGYFHRSHNRSEEFLIAGKLQDGLLHITTCSFVAPWNSLSLAQRRGFTKT YTVGCEECTVFPCLSIPCKLQSGTHCLWTDQLLQGSEKGFQSRHLACLPREPGLCTWQSLRSQIA